Claims

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1. A stable protein preparation, wherein the preparation comprises one or more stabilisers selected from the group consisting of non-polar and basic amino acids and wherein the preparation has a pH of 4.2 to 5.4.

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- 2. The preparation of claim 1, wherein the one or more stabilisers are selected from the group consisting of histidine, arginine, lysine, ornithine, isoleucine, valine, methionine, glycine and proline.
- 15 3. The preparation of claims 1 or 2, wherein the stabiliser is proline.
 - 4. The preparation of claim 3, wherein proline is L-proline.
 - 5. The preparation of any one of the preceding claims, wherein it has a pH of 4.5 to 5.2.
 - 6. The preparation of claim 5, wherein it has a pH of 4.6 to 5.0.
 - 7. The preparation of any one of the preceding claims, wherein it comprises the stabiliser at a final concentration of at least 0.2 M.
 - 8. The preparation of claim 7, wherein it comprises the stabiliser at a final concentration of 0.2 to 0.4 M.
- 30 9. The preparation of claim 8, wherein it comprises the stabiliser at a final

concentration of 0.25 M.

10. The preparation of any one of the preceding claims, wherein its protein concentration is from 5 to 25 % w/v.

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- 11. The preparation of claim 10, wherein its protein concentration is from 15 to 20% w/v for subcutaneous administration.
- 12. The preparation of claim 10, wherein its protein concentration is from 6 to 15 % w/v, for intravenous administration.
 - 13. The preparation of claim 12, wherein its protein concentration is from 8 to 12 % w/v.
- 15 14. The preparation of any one of the preceding claims, wherein it is an immunoglobulin preparation.
 - 15. The preparation of any one of the preceding claims, wherein it is an IgG, IgA or IgM preparation.

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- 16. A pharmaceutical composition comprising the protein preparation of one of the preceding claims and pharmaceutically acceptable additives.
- 17. The pharmaceutical composition of claim 16, wherein it comprises the immunoglobulin preparation of any one of claims 11 to 15 for a dosage of 0.2 to 2.0 g immunoglobulin per kg bodyweight per day.
 - 18. A method of stabilising protein preparations, in particular immunoglobulin preparations, comprising providing an aqueous protein solution and adding one or more stabilisers selected from the group consisting of basic and non-polar amino acids, wherein the pH of the solution is adjusted to a pH of about 4.2 to 5.4.

19. The method of claim 18, wherein the stabiliser is selected from the group consisting of histidine, arginine, lysine, ornithine, isoleucine, valine, methionine and proline.

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- 20. The method of claim 18 or 19, wherein the pH is adjusted to 4.8.
- 21. The method of any one of claims 18 to 20, wherein the final stabiliser concentration is adjusted to 0.2 to 0.4 M.